

Cytometer Performance Report

Cytometer: FACSriaII
 Cytometer Name: FACSriaII
 Serial Number: 1
 Input Device: Manual
 Cytometer Configuration: 100 microns 25PSI standard

User: Administrator
 Institution: N/A
 Software: BD FACSDiva 8.0.1
 Date: 03/07/2016 10:58 AM
 Cytometer Baseline: 10/19/2015 04:27 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 82950 Expiration Date: 03/31/2016
 Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123712	-2	3.08	123938	3.04
Blue	C	SSC	125000	121796	-3	4.37	122903	4.46
Blue	B	Alexa Fluor 488	21893	21732	-1	4.06	500	17.91
Blue	A	PerCP	28999	28882	-1	5.67	568	25.97
Red	C	Alexa Fluor 647	24023	23565	-2	5.50	470	26.37
Red	B	APC-Alexa 700	95610	94476	-2	4.52	1761	12.38
Red	A	APC-Cy7	84656	83439	-2	5.15	1284	20.51
561 Yellow-Green	E	DsRed	88087	87746	-1	2.72	1963	9.66
561 Yellow-Green	D	PE-Texas Red	79386	78345	-2	3.33	1589	15.83
561 Yellow-Green	C	7-AAD	82932	82131	-1	3.71	1772	17.02
561 Yellow-Green	B	PE-Cy5-5	83720	83173	-1	3.81	1630	14.53
561 Yellow-Green	A	PE-Cy7	22282	21113	-6	4.15	314	18.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13917	4.95	328	-6	N/A	N/A	Pass
Blue	C	SSC	65915	5.49	361	6	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	97	49.42	573	5	0.0227	0	Pass
Blue	A	PerCP	114	63.96	613	0	0.0042	258	Pass
Red	C	Alexa Fluor 647	125	51.83	595	-6	0.0071	49	Pass
Red	B	APC-Alexa 700	459	22.40	620	2	0.0049	0	Pass
Red	A	APC-Cy7	311	42.29	677	-1	0.0022	49	Pass
561 Yellow-Green	E	DsRed	584	17.37	655	-3	0.3578	0	Pass
561 Yellow-Green	D	PE-Texas Red	455	30.04	648	-6	0.0252	0	Pass
561 Yellow-Green	C	7-AAD	446	35.25	719	-5	0.0284	37	Pass

Cytometer Performance Report

Cytometer: FACSriaII
Cytometer Name: FACSriaII
Serial Number: 1
Input Device: Manual
Cytometer Configuration: 100 microns 25PSI standard

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.1
Date: 03/07/2016 10:58 AM
Cytometer Baseline: 10/19/2015 04:27 PM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	388	31.77	655	-3	0.0222	145	Pass
561 Yellow-Green	A	PE-Cy7	75	37.07	477	-6	0.0211	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
561 Yellow-Green Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Laser Settings

Laser	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Red	-72.87	-71.95	1.02
561 Yellow-Green	-38.04	-37.19	0.99
Blue	0.00	0.00	1.12

Window Extension: 2.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 11815

Fluidics

Sheath Pressure: 24.73 Sample Pressure: 23.89
Nozzle Size: 100

Comments